acrylate, hexyl acrylate, and butyl acrylate;polyamide resins, such as poly(aminocarbonyltetramethylenecarbonylaminomethylene-1,3-cyclohexylenemethylene); polyester resins such as poly[oxycarbonyl(1,3-phenylene)carbonyloxymethylene(tricyclo[4.3.0.1.sup.2.5]-3,8-diyl)methylene]; polyether resins such as poly(butylene oxide), poly[oxy(2-methyl-2-hydroxytrimethylene)oxy(1,4-phenylene)isopropylidene(1,4-phenylene)]; polycarbonate resins such as poly[oxycarbonyloxy(2-methyl-1,4-cyclohexylene]-isopropylidene(3-methyl-1,4-cyclohexylene)]; and polyurethane resins.

SUMM The coating agent used for forming the hard coating layer may be either a silicone-type coating agent or an organic-type coating agent. Silicone-type coating agents are partially hydrolyzed products of silane compounds. Organic-type coating agents include coating agents comprising coating materials based on melamine, alkyd, urethane or acrylic which are cured by heating and ultraviolet curable coating agents comprising multi-functional acrylic monomers or the like which are cured by ultraviolet light. Ultraviolet curable coating agents are preferable because they can be cured under conditions that hardly cause the thermal deformation of thermoplastic saturated norbornene polymer and that give sufficient hardness and weather resistance.

SUMM The molded articles of the polymer composition of the present invention are excellent in adhesiveness to various materials in various applications as compared with those from thermoplastic saturated norbornene polymers incorporated with no rubber-like polymer: namely, in adhesion, to thermosetting adhesives such as phenolic adhesives, polyester-type adhesives, epoxy adhesives and silicone adhesives, thermoplastic adhesives such as poly(vinyl acetate)-based adhesives, poly(vinyl alcohol)-based adhesives, poly(vinyl chloride)-based adhesives, and nitrocellulose-based adhesives, butadiene-acrylonitrile rubber-based adhesives and neoprene-based adhesives; in coating, to oil paints such as enamel, alcoholic coating materials such as quick-drying varnish and alcohol-soluble phenolic resin varnish, cellulosic coating materials such as ethylcellulose lacquer, synthetic resin coating materials such as vinyl resin varnish, water paints such as synthetic rubber latex paints, and rubber-based paints such as chlorinated rubber paint; in forming hard coating layers and protective coating layers, to thermosetting organic coating agents based on melamine, alkyd, urethane and acryl, polyfunctional acrylic ultraviolet curable organic coating agents and silicone coating agents; in the so-called 2P process wherein fine structures of stampers and the like are transferred to coated materials, to ultraviolet curable acrylic coating materials and reaction curable epoxy coating materials; and when formed into optical disks and the like, to metallic reflecting film formed of metals having high reflectance, such as nickel, aluminum and Gold, deposited by vacuum vapor deposition, sputtering, etc., and to magneto-optical recording film formed of Tb--Fe--Co alloy, etc.

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FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 20:22:41 ON 03 JUN 2007
L1 6655 SEA ABB=ON PLU=ON (METATHESIS OR METATHETIC? OR RING(1A) OPEN?)(5A)(OLEFIN# OR CYCLIC(1W) OLEFIN OR CYCLOOOLEFIN OR DICYCLOPENTADIEN? OR DCPD)

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L2            11 SEA ABB=ON  PLU=ON  L1 AND GOLF(2A) CLUB#
                 D L2 1-11 IBIB ABS

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L3         49252 SEA ABB=ON  PLU=ON  (TOUGH? OR HARD? OR IMPACT?)(S)(SILICONE#
                 OR SILOXANE# OR POLYSILOXANE#)
L4            49 SEA ABB=ON  PLU=ON  L1 AND L3
L5         45407 SEA ABB=ON  PLU=ON  L4 AND OSMIUM OR RUTHENIUM(S)(CATALYS? OR
                 CATALYZ?)
L6            23 SEA ABB=ON  PLU=ON  L4 AND (OSMIUM OR RUTHENIUM)(S)(CATALYS?
                 OR CATALYZ?)
                 D L4 1-49 IBIB ABS
                 D L4 36 IBIB HIT
                 D L4 35 IBIB HIT
                 D L4 34 IBIB HIT


     FILE HOME

     FILE USPATFULL
     FILE COVERS 1971 TO PATENT PUBLICATION DATE: 31 May 2007 (20070531/PD)
     FILE LAST UPDATED: 31 May 2007 (20070531/ED)
     HIGHEST GRANTED PATENT NUMBER: US7225469
     HIGHEST APPLICATION PUBLICATION NUMBER: US2007124841
     CA INDEXING IS CURRENT THROUGH 31 May 2007 (20070531/UPCA)
     ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 31 May 2007 (20070531/PD)
     REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006
     USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006


     FILE USPAT2

     FILE COVERS 2001 TO PUBLICATION DATE: 15 Mar 2007 (20070315/PD)
     FILE LAST UPDATED: 31 May 2007 (20070531/ED)
     HIGHEST GRANTED PATENT NUMBER: US2007108694
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>>> GRAPHIC IMAGES AVAILABLE <<<

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 25, 2007 (20070525/UP).

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☐	L11	L10 and ruthenium or osmium	11031
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☐	L9	L8 and carbene near4 catalyst	24
☐	L8	(polyolefin and metathesis and ruthenium or osmium and silicone or siloxane or polysiloxane).clm.	6201
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